

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/079155 A2

- (51) International Patent Classification: **Not classified**
- (21) International Application Number:
PCT/IL2005/000203
- (22) International Filing Date: 17 February 2005 (17.02.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
160492 19 February 2004 (19.02.2004) IL
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- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— *without international search report and to be republished upon receipt of that report*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: PHOTOREACTIVE COMPOUND SPECIFICALLY BINDING TO CALCIUM BINDING PROTEINS

(57) Abstract: The present invention provides a photoreactive reagent that binds specifically to Ca²⁺-binding proteins, links to them covalently after photo-activation, and labels them. The novel reagent enables the characterization, purification, inhibition and screening of Ca²⁺-binding proteins, as well as the preparation of a new affinity chromatography matrix and a new protein biosensor. The invention also relates to the use of the reagent in inhibiting apoptosis and necrosis and in diagnosing a disorder associated with a defect in the function of a Ca²⁺-binding protein, and in the preparation of a medicament for treating such disorders.